

S/N 10/020,288
Filed December 12, 2001
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CLAIMS

What is claimed is:

Claim 1 (currently amended): A laminate comprising:

a nonwoven web treated with a surfactant;
a film comprising a core layer and at least one skin layer, the core layer comprising a percentage by weight of a micropore developing filler;
wherein the film is stretched in at least one direction to a percentage of its original size to become microporous, and;
~~and thermally bonded to~~ thermal bond points bonding said microporous film and the
surfactant treated nonwoven web;
wherein the laminate is a breathable barrier compliant with ASTM F1670-95.

Claim 2 (original): The laminate of claim 1 wherein the core layer comprises about 30% to about 75% by weight polyolefin resin and from about 70% to about 25% by weight of filler having an average size less than about 10 microns, the skin layer comprising a CATALLOY polymer.

Claim 3 (original): The laminate of claim 1 wherein the core layer comprises about 35% to about 75% by weight polyolefin resin and from about 65% to about 25% by weight of filler.

Claim 4 (original): The laminate of claim 1 wherein the surfactant treated nonwoven web comprises a spunbond polyolefin.

Claim 5 (original): The laminate of claim 1 wherein the surfactant treated nonwoven web comprises a spunbond of any of polypropylene, polyethylene, a copolymer of polypropylene, and a copolymer of polyethylene.

Claim 6 (original): The laminate of claim 1 wherein the surfactant treated nonwoven web comprises at least one layer of a meltblown polyolefin and at least one layer of a spunbond polyolefin.

Claim 7 (original): The laminate of claim 1 wherein the filler of the stretchable film laminate comprises CaCO_3 .

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Claim 8 (original): The laminate of claim 1 wherein the laminate, tested per NFPA 702-1980, meets the 20 second or greater flame propagation criteria for a Class 1 material.

Claim 9 (original): The laminate of claim 1 comprising a surgical drape.

Claim 10 (original): The laminate of claim 1 wherein the laminate has a moisture vapor transmission rate of at least about 300 g/m²/24 hours.

Claim 11 (original): The laminate of claim 1 wherein the core layer is sandwiched between a first and a second skin layer.

Claim 12 (original): The laminate of claim 1 wherein the skin layer comprises a percentage of ethylene vinyl acetate.

Claim 13 (original): The laminate of claim 1 wherein the core layer comprises a metallocene linear low density polyethylene.

Claim 14 (original): The laminate of claim 1 wherein the core layer comprises a linear low density polyethylene.

Claim 15 (original): The laminate of claim 1 wherein the skin layer comprises a CATALLOY polymer.

Claim 16 (currently amended): A breathable laminate compliant with ASTM F1670-95 comprising a nonwoven web treated with a surfactant, ~~thermally bonded at a plurality of bond points to~~ a multilayer polyolefin resin film, and a plurality of thermal bond points bonding said web and film, at least one layer of the multilayer film further comprising a percentage by weight of a micropore developing filler.

Claim 17 (original): The breathable laminate of claim 16 wherein at least one layer of the multilayer film comprises about 30% to about 75% by weight polyolefin resin and from about 70% to about 25% by weight of filler having an average size less than about 10 microns, and wherein at least one other layer comprises a CATALLOY polymer.

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Claim 18 (original): The breathable laminate of claim 16 wherein at least one layer of the multilayer film comprises about 35% to about 75% by weight polyolefin resin and from about 65% to about 25% by weight of filler.

Claim 19 (original): The breathable laminate of claim 16 wherein the surfactant treated nonwoven web comprises a spunbond polyolefin.

Claim 20 (original): The breathable laminate of claim 16 wherein the surfactant treated nonwoven web comprises a spunbond of any of polypropylene, polyethylene, a copolymer of polypropylene, and a copolymer of polyethylene.

Claim 21 (original): The breathable laminate of claim 16 wherein the surfactant treated nonwoven web comprises at least one layer of a meltblown polyolefin and at least one layer of a spunbond polyolefin.

Claim 22 (original): The breathable laminate of claim 16 wherein the filler of the stretchable film laminate comprises CaCO_3 .

Claim 23 (original): The breathable laminate of claim 16 comprising a surgical drape.

Claim 24 (original): The breathable laminate of claim 16 wherein the laminate has a moisture vapor transmission rate of at least about $300 \text{ g/m}^2/24 \text{ hours}$.

Claim 25 (original): The breathable laminate of claim 16 wherein at least one layer of the multilayer film comprises a percentage of ethylene vinyl acetate.

Claim 26 (original): The breathable laminate of claim 16 wherein at least one layer of the multilayer film comprises a metallocene linear low density polyethylene.

Claim 27 (original): The breathable laminate of claim 16 wherein at least one layer of the multilayer film comprises a linear low density polyethylene.

Claim 28 (original): The breathable laminate of claim 16 wherein at least some of the bond points form cohesive attachments between the web and the multilayer film.